

*Application No. 10/614,482
Interview Summary*

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-32 (cancelled)

33. (currently amended) A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of:

operating the scanning device during a single scanning operation to

(i) automatically sense individual marker areas at predetermined locations in a region on a control sheet, each marker area located near an associated human intelligible representation of a scanning function control parameter,

(ii) respond only to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the scanning function control parameter associated with the marker area having the sensed marking; and

(iii) performing a scanning operation of one or more document areas associated with said control sheet to generate a digitally encoded representation of encoded scanned data content thereof in accordance with the scanning function control parameter associated with the or each respective marker area having a sensed marking; and performing at least a further operation independently of said scanning function control parameters on scan encoded data only from one or more of said document areas occupying less than the total document area scannable during said scanning operation.

34. (previously presented) The method of claim 33, wherein the human intelligible representations include preprinted textual descriptors of said control parameters on the control sheet and during said scanning operation said automatic sensing is not responsive to said preprinted identification textual descriptors,

35. (previously presented) The method of claim 33, wherein said markings comprise user applied markings at one or selected marker areas at said predetermined locations.

36. (previously presented) The method of claim 33, wherein said marker areas comprise

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dosed boundary areas and a marking of a selected marker area is effected by a sensor readable user applied filling or partial filling of said selected area.

37. (previously presented) The method of claim 33, wherein the marker areas are positioned relative to predetermined identifiable reference points on said control sheet.

38. (previously presented) The method of claim 37, wherein the scanning function control parameters include designation of one or more sub-areas of the control sheet each sub-area for receiving at least one document area for encoding contents thereof during said scanning operation in said step (iii).

39. (previously presented) The method of claim 33, wherein said further operation comprises transmitting said scan encoded data over a communications network.

40. (previously presented) The method of claim 33, wherein said further operation comprises storing the scan encoded data in memory.

41. (currently amended) A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of: operating the scanning device during a single scanning operation to:

(i) automatically sense individual marker areas at predetermined locations on an instruction region of a control sheet that also includes a document support region, each marker area located near an associated human intelligible representation of a scanning function control parameter,

(ii) respond only to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the scanning function control parameter associated with the marker area having the sensed marking; and

(iii) performing a scanning operation of a document located on the document support region to encode scanned data contents thereof in accordance with the scanning function control parameter associated with the or each respective marker area of the instruction region at which a sensed marking is present and to store the encoded data in

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 said memory;
 wherein one of said scanning function control parameters is scan operability during said scanning operation, and a plurality of marker areas on the instruction region are associated with human intelligible representations of the respective sub-areas of said support region occupying less than the total area of the document support region, whereby scan encoding during said scanning operation is determined by sensing markings associated with at least a selected one of said sub-areas; and
 performing at least a further operation on scan-encoded scan data only from the or a plurality of said sub-areas..

42. (previously presented) The method of claim 41, wherein said scanning device is operable during said scanning operation to encode scanned contents of the document only over at least one of said sub-areas of said support region.

43. (previously presented) The method of claim 41, wherein the sub areas of the support region are identified by border indicia.

44. (previously presented) The method of claim 41, wherein the border indicia comprise a nested set of border indicia.

45. (previously presented) The method of claim 41, wherein during the scanning operation t encoded scan data are generated only by scanning over the or each said sub-area.

46. (currently amended) A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of:

 operating the scanning device during a single scanning operation to

 (1) automatically sense individual marker areas at predetermined locations in on a control sheet, each marker area located near an associated human intelligible representation of a control parameter, first ones of said marker areas associated with scan function control parameters and other ones of said marker areas associated with operation control parameters;

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(ii) respond to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the control parameter associated with the marker area having the sensed marking; and

(iii) performing a scanning operation of one or more document areas associated with said control sheet to encode scanned data content thereof in accordance with the scanning function control parameter associated with the ~~or~~ each respective first marker area having a sensed marking; and

in accordance with the operation control parameter associated with the ~~or~~ each respective other marker area having a sensed marking, performing at least a further operation on scan-encoded scan data only from one or more of said document areas occupying less than the total document area scannable during said scanning operation.

47. (previously presented) The method of claim 46, wherein said operation control parameters include copy function parameters.

48. (previously presented) The method of claim 46, wherein said operation control parameters include facsimile transmission parameters.

49. (previously presented) The method of claim 46, wherein said operation control parameters include sender and recipient identification data.

50. (currently amended) A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of: operating the scanning device during a single scanning operation to

(1) automatically sense first and second individual marker areas at predetermined locations in a region on a control sheet, each first marker area located near an associated human intelligible representation of a scanning function control parameter, each second marker area located near an associated human intelligible representation of an operation control parameter different from said scanning function control parameter;

(ii) respond only to the presence of a marking at one or more of said sensed first

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marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the scanning function control parameter associated with the first marker area having the sensed marking; and

(iii) performing a scanning operation over a document area associated with said control sheet to encode scanned data content thereof in accordance with the scanning function control parameter associated with the or each respective first marker area having a sensed marking; and

performing at least a further operation independently of said scanning function control parameters on encoded scanned data of only ~~of only one~~ or more predefined document sub-areas, each sub-area having an area less than said document area, said ~~but~~ at least one further operation performed in accordance with ~~the an~~ operation control parameter associated with ~~the or one or more second each respective other~~ marker areas having a sensed marking.

51. (currently amended) A system including a scanning device and an operatively associated memory, the system comprising:

a document having a portion to be encoded;

a control sheet including an instruction region and a support region, said instruction region including a plurality of marker areas at predetermined locations of the instruction region, each marker area located near an associated human intelligible representation of a scanning device functional parameter, and a plurality of said marker areas on the instruction region are associated with human intelligible representations of control parameters including marker areas associated with first and second scan function control parameters and further marker areas associated with operation control parameters;

said scanning device operable during a single pass scanning operation over said control sheet to automatically sense and respond to the presence of markings at a plurality of said marker areas in the instruction region of the control sheet by correlating the sensed presence of a said marking with data stored in said memory corresponding to the control parameter associated with the marker area at which the sensed marking is located, and to perform a scanning operation in the document support region of the control sheet;

wherein first scanning function control parameters associated with first marker areas define one or more discrete sub-areas of the support region;

said scanning device operable during said scanning operation of the document support

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region to generate and store in said memory scanned data signals resulting from scanning data located in the support region, the scanning device operable to encode the scanned data signals in accordance with second scanning function control parameters associated with second ones of said marker areas associated with scan function control parameters at which the presence of a marking is sensed during scanning of said instruction region; and

wherein said system is operable to perform at least one operation under control of an operation control parameter associated with a said further marker area having a sensed marking using stored scan-encoded scan data from one or more discrete sub-areas in the document support region defined by a second scan function control parameter.

52. (previously presented) The system of claim 51, wherein a scanned document is supported on the instruction support.

53. (previously presented) The system of claim 51, wherein the memory is included in the scanning device.

54. (currently amended) The system of claim 51, wherein the scanning device is configured to scan a region larger than the or each said sub-area and to pare data from a resulting data set to eliminate data corresponding to areas of said support regions outside the or said sub-area.

55. (previously presented) The system of claim 51, wherein the or each sub-area is also marked by a border.